

DRILL HOLES

BORDER REV. DATE: June 1, 2004

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PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of existing Traffic Control Signals at the following intersections in Baltimore County:

MD 41 (Perring Pkwy) at McLean Blvd / Hillsway Ave
MD 41 (Perring Pkwy) at Oakleigh Road
MD 41 (Perring Pkwy) at Taylor Avenue
MD 41 (Perring Pkwy) at Putty Hill Avenue
MD 41 (Perring Pkwy) at Joppa Road

All traffic signals shall be converted to LED signal heads. Additionally, video detection cameras shall be installed for all approaches at all intersections except, MD 41 (Perring Pkwy) at Joppa Road where there is already existing video detection. The modifications to a safety and resurfacing project along MD 41 (Perring Pkwy).

MD 41 (Perring Pkwy) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

- The shall be no change to the intersection operation at any of the affected intersections.
- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at all of the above intersections. SHA Forces shall install video interface into the affected cabinets.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

The contact persons for District #4 are as follows:

Ms. Erin Kuhn
Assistant District Engineer - Traffic
Phone: (410) 321-2781

Mr. Steve Marciszewski
Assistant District Engineer - Maintenance
Phone: (410) 321-2761

Mr. Mike Pasqualello
Assistant District Engineer - Utility
Phone: (410) 321-2841

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Signal Shop
410-787-7652

Mr. Sonny Bailey
Sign Shop
410-787-7676

EQUIPMENT LIST

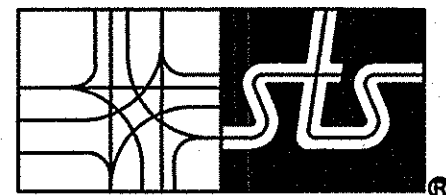
A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA FOR THIS PROJECT.

EQUIPMENT LIST

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

| ITEM NO. | DESCRIPTION | QUANTITY |
|----------|--|----------|
| 120500 | MAINTENANCE OF TRAFFIC | 3 LS |
| 800000A | 12' LED MODULES | 114 EA |
| 800000A | 8" LED Modules | 12 EA |
| 800000A | 8" LED VEHICULAR TRAFFIC SIGNAL HEAD | 18 EA |
| 800000A | RERING EXISTING SPAN WIRE. | 4 EA |
| 805115 | 3 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED | 570 LF |
| 805118 | 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED | 135 LF |
| 805135 | 3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED | 1205 LF |
| 810550 | MICROLOOP PROBE, 500 FOOT LEAD IN CABLE | 7 EA |
| 810555 | MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE | 15 EA |
| 811001 | FURNISH AND INSTALL ELECTRICAL HANDHOLE | 19 EA |
| 816001 | VIDEO DETECTION CAMERA | 16 EA |
| 816001 | CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER | 13 EA |
| 816010 | CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER | 5 EA |
| 816015 | VIDEO INTERFACE EQUIPMENT (Note: TO BE INSTALLED BY THE SHA). | 4 EA |
| 860284 | 12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION | 106 EA |
| 861108 | ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) | 510 LF |
| 866103 | 15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE | 2 EA |
| 873001 | REMOVE AND SALVAGE EXISTING EQUIPMENT | 1 LS |



STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy., N.W.
Glen Burnie, MD 21061

Ph (410) 550-5500
Fax (410) 550-6537

5511bg1.dgn

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PLOTTED: \$DATE\$
FILE: \$FILE\$



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 41 (PERRING PKWY) FROM
McCLEAN BLVD TO JOPPA ROAD

PARKVILLE, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE 2/22/08 CONTRACT NO. BA3055177

DESIGNED BY J.A.
DRAWN BY R.C.
CHECKED BY [Signature]
F.A.P. NO. [Signature]

COUNTY BALTIMORE
LOGMILE
TIMS NO. 1962
TOD NO.

TS NO. DRAWING NO. 7 OF 7 SHEET NO. OF